

RL 70051-27-59807

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AZATIN® XL OLYMPIC

HORTICULTURAL PRODUCTS

Botanical Insecticide

FOR INDOOR AND OUTDOOR USE ON
ORNAMENTALS AND HORTICULTURAL CROPS

ACTIVE INGREDIENT:

Azadirachtin* 3.0%

OTHER INGREDIENTS 97.0%

100.0%

*Contains 0.265 pounds (120 grams) of azadirachtin per gallon.

EPA Reg. No.: 70051-27-59807 EPA Est. No.: 44616-MO-1

Net Contents: One Quart

KEEP OUT OF REACH OF CHILDREN

CAUTION

See underneath and on rear panel for

First Aid, Directions for Use and Storage and Disposal, etc.

MANUFACTURED FOR:

Olympic Horticultural Products Co., P. O. Box 230, Mainland, PA 19451

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Causes eye irritation. Do not get in eyes. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- chemical resistant gloves such as barrier laminate or Viton (≥1.4 mil)
- shoes plus socks, and
- protective eye wear.

Follow manufacturer's instructions for cleaning / maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

FIRST AID

If in Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If inhaled: Move to fresh air. Clear lungs and airways. Get medical attention if irritation develops.

If on Skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

If swallowed: Do not induce vomiting. Contact a physician immediately.

Use Safety Recommendations:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow workers entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: long-sleeved shirt and long pants, chemical resistant gloves such as barrier laminate or Viton (≥ 1.4 mil), shoes plus socks, and protective eye wear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses including golf courses, and other non-agricultural uses, do not enter treated areas without protective clothing until sprays have dried.

Pests controlled by AZATIN® XL

- Aphids, such as:**
 Apple Aphid
 Cotton Aphid
 Green Peach Aphid
 Melon Aphid
 Pear Aphid
 Potato Aphid
 Rose Aphid
- Armyworms, such as:**
 Beet Armyworm
 Fall Armyworm
 Lesser Armyworm
 Southern Armyworm
 Yellow Striped Armyworm
- Bagworms**
- Beetles, Grubs and Weevils, such as:**
 Black Vine Weevil
 Colorado Potato Beetle
 Elm Leaf Beetle
 Flea Beetle
 Japanese Beetle
 June Beetle
 Mexican Bean Beetle
- Caterpillars and Looper, such as:**
 Cabbage Looper
 Can Exonem
 Diamondback Moth
 Gopplelar Skeletonizer
 Imported Cabbageworm
 Hovel Dingeworm
 Napa Looper
 Tent Caterpillar
 Tobacco Budworm
 Tobacco Hornworm
 Tomato Fruitworm
 Tomato Pinworm
 Tarnished Plantworm
- Chafers, such as:**
 European Chafar
 Northern Masked Chafar
 Rose Chafar
 Southern Masked Chafar

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Cutworms, such as:

- Black Cutworm
- Cirrus Cutworm

Flies, such as:

- Cornbean Fruit Fly
- Corn Fly
- Fungus Gnat
- Hessian Fly

Leaf Tiers

- Oreanoil Fruit Fly
- Medicanean Fruit Fly
- Melon Fly
- Shore Fly
- Walnut Hick Fly

Leaf Miners, such as:

- Grape Leafhopper
- Potato Leafhopper
- Vineyard Leafhopper

Leaf Tiers

- Cirrus Thrips
- Flower Thrips
- Body's Breath
- Begonia
- Bogomvillen
- Boston Fern
- Bowwood
- Broctrycome
- Cacti
- Caladrese

Whiteflies, such as:

- Greenhouse Whitefly
- Shadeleaf Whitefly
- Sweepnetto Whitefly

Leadrollers, such as:

- Blueberry Leadroller
- Filbert Leadroller

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CROPS ON WHICH AZATIN® XL CAN BE USED

Azatini® XL can be used indoors and outdoors. Plants may be potted, grown in the soil or soil-less mixtures or grown hydroponically.

Bedding Plants,

- Colodium
- Coldo
- Colthea
- Colombia
- Colombia
- Conioth
- Chrysanthemum
- Coleus
- Coleraba
- Colubine
- Dahlia
- Daisy
- Doyly
- Delphinium
- Doronicus
- Dieracochia
- Dusty Miller
- Easter Lily
- English Ivy
- Eupholio
- Fern
- Ficus
- Fogglare
- Freesia
- Phlox
- Phloxia
- Pittosporum

Flowers, Potted Plants and Foliage, such as:

- Adonis
- Agapanthus
- Allermondo
- Algerian Ivy
- Alexsaa
- Ambrosium
- Aphelandra
- Adrensis
- Asier
- Archea
- Archea Illex
- Azulen
- Body's Breath
- Begonia
- Bogomvillen
- Boston Fern
- Bowwood
- Broctrycome
- Cacti
- Caladrese
- Colodium
- Coldo
- Colthea
- Colombia
- Colombia
- Conioth
- Chrysanthemum
- Coleus
- Coleraba
- Colubine
- Dahlia
- Daisy
- Doyly
- Delphinium
- Doronicus
- Dieracochia
- Dusty Miller
- Easter Lily
- English Ivy
- Eupholio
- Fern
- Ficus
- Fogglare
- Freesia
- Phlox
- Phloxia
- Pittosporum

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For crops apply using conventional application equipment in a minimum of 30 gallons of water per acre and aerial application equipment in a minimum of 3 gallons of water per acre.

Avoid over-spraying to the point of excessive runoff.

Refer to tables for detailed dilution rates.

Application Rates for Whitefly and Other Greenhouse (Including *Azatin*® XL) Nursery and Interior-scape Pests

Apply *Azatin*® XL at the recommended use dilution rate in 100 gallons of water to assure adequate plant coverage (usually 1-2 gallons of spray solution/1,000 sq. feet)

Pests controlled by <i>Azatin</i> ® XL	Rate of <i>Azatin</i> ® XL per 100 gallons water	Remarks
Aphids	1/2 to 1/6 oz.	Suppression and adult feeding deterrence.
Amyrmoms	1/10 to 1/6 oz.	Foliar application to larvae.
Black Vine Weevil	2/1 oz./acre	Soil and foliar application to larvae.

Fungus Gnats	8 oz.	Apply as soil drench for maggot control.
Leafminers	1/10 to 1/6 oz.	Foliar application to larvae.
Western Flower Thrips	1/2 to 1/6 oz.	Suppression of larvae and adult feeding deterrence.
Sweepnet Whitefly (including strain B)	1/10 to 1/6 oz.	Foliar application to larvae and nymphs.
Greenhouse Whitefly	1/10 to 1/6 oz.	Foliar application to larvae and nymphs.
Others	1/10 to 1/6 oz.	Foliar application to nymphs / larvae.
Caterpillars		
Cankworms		
Cinixys		
Cinixys		
Leafhoppers		
Leafhoppers		
Sawflies		
Tent Caterpillars		

Application Rates for Key Insect Pests in Vegetables, Fruits, and Nut Crops

Apply *Azatin*® XL at the recommended use rates in sufficient water to assure adequate coverage. (Conventional application equipment apply in a minimum of 30 gallons water per acre) (Aerial application equipment apply in a minimum of 3 gallons water per acre)

Pests controlled by <i>Azatin</i> ® XL	Rate of <i>Azatin</i> ® XL per Acre*	Remarks
Aphids, such as: Cotton Aphid Green Peach Aphid Hop Aphid Palmer Aphid	1/10 to 1/6 oz.	Foliar application, for suppression only
Amyrmoms, such as: Beet Amyrmom Fall Amyrmom Southern Amyrmom Yellow Stinged Amyrmom	5 to 16 oz.	Foliar application to larvae
Beetles, such as: Colorado Potato Beetle	5 to 16 oz.	Foliar application to larvae

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Caterpillars, such as:		
Corn Earworm	1/10 to 2/1 oz.	Foliar application to larvae
Diamondback Moth	1/10 to 1/6 oz.	
Imported Cabbageworm	5 to 1/6 oz.	
Howell Orangeworm	1/10 to 2/1 oz.	
Tabacco Budworm	5 to 1/6 oz.	
Tabacco Hornworm	5 to 1/6 oz.	
Tomato Pinworm	5 to 1/6 oz.	
Western Longeared Skeletonizer	5 to 1/6 oz.	
Cinixys, such as:		
Cinixs (Cinixom)	5 to 1/6 oz.	Foliar application to larvae
Black Cinixom	5 to 1/6 oz.	
Loopers, such as:		
Cabbage Looper	5 to 1/6 oz.	Foliar application to larvae
Syrphid Looper	5 to 1/6 oz.	
Leafminers, such as:		
Cinixs Leafminer	1/10 to 1/6 oz.	Foliar application to larvae. Use with oil.
Serpentine Leafminer		
Vegetable Leafminer		
Leafhoppers, such as:		
Crape Leafhopper	1/10 to 1/6 oz.	Foliar application to nymphs. Use equipment to target the underside of leaves.
Winged Leafhopper		

Whiteflies, such as:		
Greenhouse Whitefly	1/10 to 2/1 oz.	Foliar application to nymphs. Use equipment to target undersides of leaves.
Shielded Whitefly		
Sweepnet Whitefly		

*When using lower rates (less than 1/10 oz.), combine **AZATIN® XL** with an approved adjuvant such as a non-sphyronic crop oil, up to 1%. Always ensure good coverage by adjusting spray gallonage. Treat early for best control. Do NOT use less than 1/10 oz. in California.

Applications should be made when pests first appear and are in their early larval stages. Repeat applications every 7 days or as needed.

For best results, a spreader-sticker should be added at the recommended label use.

Dilute solutions containing **Azatin® XL** should be maintained at a pH between 3 and 7, and applied soon after preparation. Do not store for later use.

This product may be pre-mixed in a supply tank with water, fertilizer or other appropriate agricultural chemicals. Agitation is necessary (See Mixing Directions). Crop injury or lack of effectiveness can result if uniform distribution is not achieved.

When pest populations are high, use the higher label rates.

SPRAY:

High Volume - When plant foliage is dense, use the higher label rates and increase spray gallonage to obtain uniform and complete coverage.

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Aerial / Low/ultra low volume - Apply **Azatin® XL** at rates of 5 to 21 oz/acre (1/10-2/1 oz. in California) in a minimum of 3 gallons of water per acre. For best results, ensure uniform and complete plant coverage.

DRENCH / CHEMIGATION:

This product is effective as a soil drench for controlling soil-borne insect larvae (e.g. Fungus Gnats). It is also effective as a soil drench for controlling foliar and soil-borne pests, particularly when alternated with **Azatin® XL** foliar sprays.

Apply **Azatin® XL** in sufficient water and for sufficient duration so as to distribute the recommended rate evenly to the entire treated area.

Apply to moderately moist soils. Use volumes that thoroughly wet the soil, but do not cause significant surface runoff or excessive drip from pots.

CHEMIGATION:

Refer to supplemental labeling entitled "Olympic's Chemigation Bulletin" for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

SPRAY EQUIPMENT

Use suitable equipment that allows for uniform coverage of the targeted treatment area, such as hand or power operated spray equipment.

MIXING DIRECTIONS

Azatin® XL WITH WATER:

For best results,
1. Use clean equipment.

DRY PRODUCTS - For each pound to be applied per acre, add 1.5 level teaspoons to each jar.

LIQUID PRODUCTS - For each pint to be applied per acre, add 0.5 teaspoons or 2.5 ml to each jar.

Note any differences between the mixtures in the jars (compounds alone vs mixtures) after 15 minutes. Look for evidence of physical incompatibility such as clumping, precipitation, oily residues on the sides of the glass or other signs of incompatibility. If either mixture separates, but can be readily re-mixed, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, do not use the mixture.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.
PESTICIDE STORAGE: Do not store above 100 degrees F or below -20 degrees F for extended periods of time. Keep containers tightly closed when not in use.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: Do not reuse as a container. Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in an incinerator or landfill or by other procedures approved by State and local authorities.

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WARRANTY

Olympic Horticultural Products Company warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the insect problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. **NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.**



Manufactured for:
Olympic Horticultural Products Co.
P. O. Box 230
Maitland, PA, 19451
(800) 659-6745

Azinin is a registered trademark of
Cenris USA
U.S. Patent No. 5,001,146
and/or No. 5,124,349

CHP 981220
ESL 070699 REV 021102

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AZATIN® XL Botanical Insecticide
FOR INDOOR AND OUTDOOR USE ON
ORNAMENTALS AND HORTICULTURAL CROPS

ACTIVE INGREDIENT: 3.0%
Azadirachtin* 97.0%
OTHER INGREDIENTS 100.0%
*Contains 0.265 pounds (120 grams) of azadirachtin per gallon.
EPA Reg. No.: 70051-27-59807 EPA Est. No.: 44616-MO-01

Net Contents: One Quart
KEEP OUT OF REACH OF CHILDREN
CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Causes eye irritation. Do not get in eyes. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- chemical resistant gloves such as butyl laminate or Viton (≥14 mil)
- shoes plus socks, and
- protective eye wear.

Follow manufacturer's instructions for cleaning / rinsing PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

FIRST AID

If in Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If Inhaled: Move to fresh air. Clear lungs and airways. Get medical attention if irritation develops.

If on Skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

If Swallowed: Do not induce vomiting. Contact a physician immediately.

[Label continued on back of container.]

User Safety Recommendations:

• Wash hands before eating, drinking, smoking gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

The pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will cause workers or other persons, other directly or through drift, any protected handlers may be in the area during application. For air requirements, consult your State or Tribe, consult the agency responsible for pesticide regulation.

DIRECTIONS FOR USE

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR Part 170. The Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this label only apply to uses of the product that are covered by the Worker Protection Standard.

Do not enter or allow workers entry into treated areas during the restricted entry interval (REI) of 4 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: Long-sleeved shirt, chemical resistant gloves such as butyl nitrile or Viton (> 14 mil), shoe plus socks, and protective eye wear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this label apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses, for other uses including golf courses, and other non-agricultural uses, do not enter treated areas without protective clothing and sprays have drift.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Do not store above 100 degrees F or below -20 degrees F for extended periods of time. Keep containers tightly closed when not in use.

CONTAINER DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Do not reuse as a container. Triple rinse or equivalent. Then offer for recycling or reconditioning, or prepare and dispose of in an incinerator or landfill or by other procedures approved by State and local authorities.

See label accompanying this container for complete labeling including Directions for Use, Storage and Disposal, Conditions of Sale, etc.

Manufactured by:
Olympic Horticultural Products Company
P. O. Box 528
Madison, TN 37041
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Agrim is a registered trademark of
Certs USA
U.S. Patent No. 5,201,146 and/or 5,124,296
EPA 070897P-REV 07/11/12 GRF 801220

OLYMPIC'S Chemigation Bulletin

AZATIN[®] XL Biological Insecticide

EPA Reg. No. 70051-27-59807

GENERAL INFORMATION:

Apply this product only through drip (trickle); sprinkler (solid set, lateral move, end tow, side-roll, center pivot, or hand move); flood (basin); furrow; or border irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

DRIP TRICKLE CHEMIGATION:

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (i.e., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Dilute the product in water following the label mixing directions. It may be premixed in a supply tank with water, fertilizer, or other appropriate tank-mixed agricultural chemicals. Agitation is necessary. Apply to moderately moist soils. Use volumes that thoroughly wet the soil but that do not cause significant runoff or excessive drip from pots. Application should be in sufficient water and of sufficient duration to apply the recommended rate evenly to the entire treated area.

SPRINKLER CHEMIGATION:

1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must also contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Dilute the product in water following the label mixing directions. It may be premixed in a supply tank with water, fertilizer, or other appropriate tank-mixed agricultural chemicals. Agitation is necessary. Apply when soils are moderately moist. Use volumes that thoroughly wet the foliage and/or soil but that do not cause significant runoff or excessive drip from pots. Application should be in sufficient water and of sufficient duration to apply the recommended rate evenly to the entire treated area.
8. Do not apply when wind speed favors drift beyond the area intended for treatment.

FLOOD (BASIN), FURROW AND BORDER CHEMIGATION:

1. Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential of water source contamination from backflow if water flow stops.
2. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
 - a. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
 - b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
 - c. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent liquid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
 - d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
 - e. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
 - f. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
3. Dilute the product in water following the label mixing directions. It may be premixed in a supply tank with water, fertilizer, or other appropriate tank-mixed agricultural chemicals. Agitation is necessary. Apply to moderately moist soils. Use volumes that thoroughly wet the soil but that do not cause significant runoff. Application should be in sufficient water and of sufficient duration to apply the recommended rate evenly to the entire treated area.

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Manufactured for: Olympic Horticultural Products, P.O. Box 230, Mainland, PA 19451
Customer Service: 800-659-6745 Technical Service: 800-356-4647